

WATER QUALITY M E M O R A N D U M

Utah Coal Regulatory Program

October 15, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: Dana Dean, P.E., Senior Reclamation Hydrologist

RE: 2001 Second Quarter Water Monitoring, Plateau Mining Corporation, Willow Creek Mine, C/007/0038-WQ01-2, Task ID #1585

- 1. Was data submitted for all of the MRP required sites?** YES ☐ NO ☒
Identify sites not monitored and reason why, if known:

The Permittee did not submit required samples for sites B241, B321, B3N (Apr.), B5 (Apr.), B6 (Apr.), B131 (Apr.), B151 (Apr.), B211 (Apr.), or BN221. They reported "No Access" at site BN301.

- 2. On what date does the MRP require a five-year resampling of baseline water data.**
See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

Resampling due date

The MRP no longer has a commitment to resample for baseline parameters; the mine is inactive.

- 3. Were all required parameters reported for each site?** YES ☐ NO ☒
Comments, including identity of monitoring site:

The operator did not report dissolved oxygen for site B211.

4. Were irregularities found in the data?

YES ☒ NO ☐

Comments, including identity of monitoring site:

Several parameters fell outside of two standard deviations from the mean. They were:

SITE	PARAMETER	VALUE	MEAN	DEVIATION FROM MEAN
B262	Flow	20.196 gpm	4.72 gpm	2.36
B262	Total hardness	323 mg/l	345.43 mg/l	2.14
B362	Flow	1.57 gpm	0.10 gpm	3.74
B3N	Flow	8078.4 gpm	2057.68 gpm	2.66
B25	Flow	44.88 gpm	4.99 gpm	3.14

The cation-anion balance was 5.4% at B25, and 5.3% at B26.

5. Were DMR forms submitted for all required sites?

1st month, YES ☐ NO ☒
2nd month, YES ☐ NO ☒
3rd month, YES ☐ NO ☒

No DMR's were available for the quarter.

6. Were all required DMR parameters reported?

YES ☐ NO ☒

Comments, including identity of monitoring site:

No DMR's were available for the quarter.

7. Were irregularities found in the DMR data?

YES ☐ NO ☒

Comments, including identity of monitoring site:

No DMR's were available for the quarter.

8. Based on your review, what further actions, if any, do you recommend?

No further actions are necessary at this time. The missing samples were most likely submitted and/or reviewed during complete inspections at the time, however they did not get into the database or the Division's files. Due to the lapse of time, and personnel and other changes at the mine, the Permittee is unable to locate the missing data now. If the Permittee locates the data, they will submit it to the database.